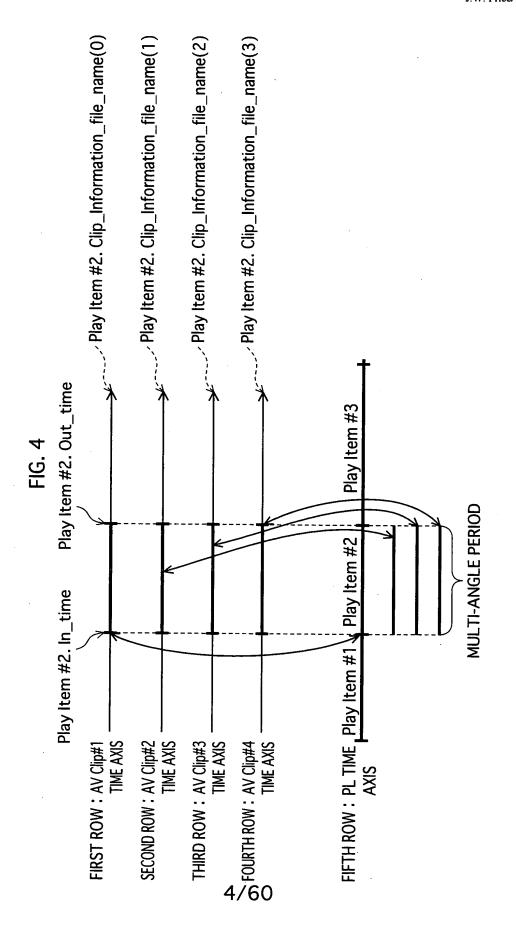
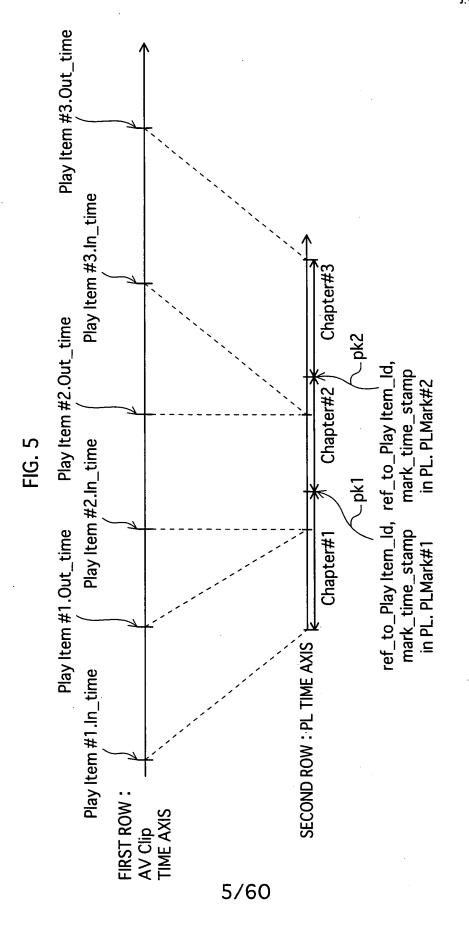


FIG. 3





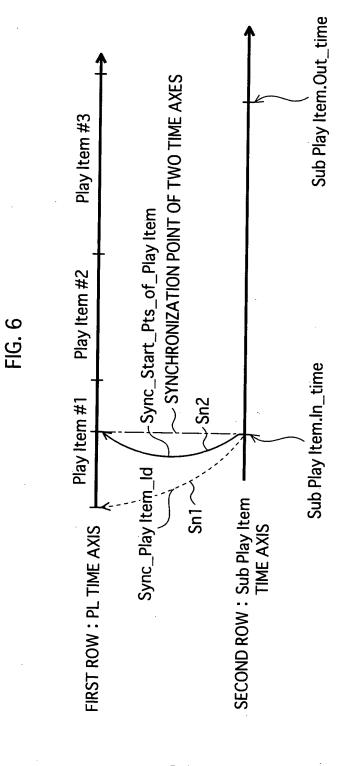


FIG. 7A

ZZZZZ.BDMV

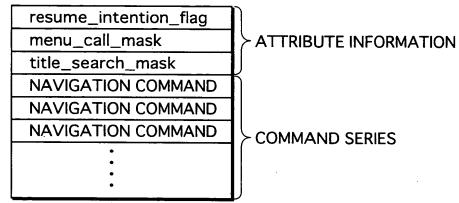
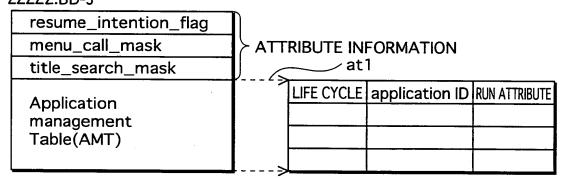
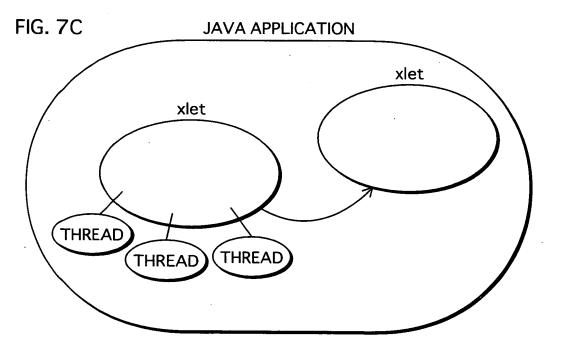
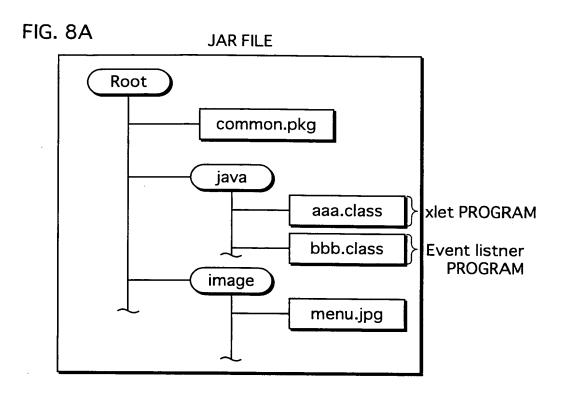
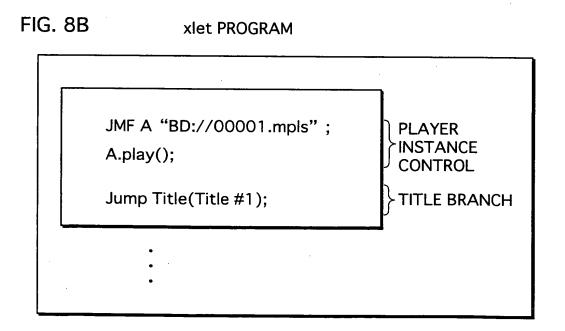


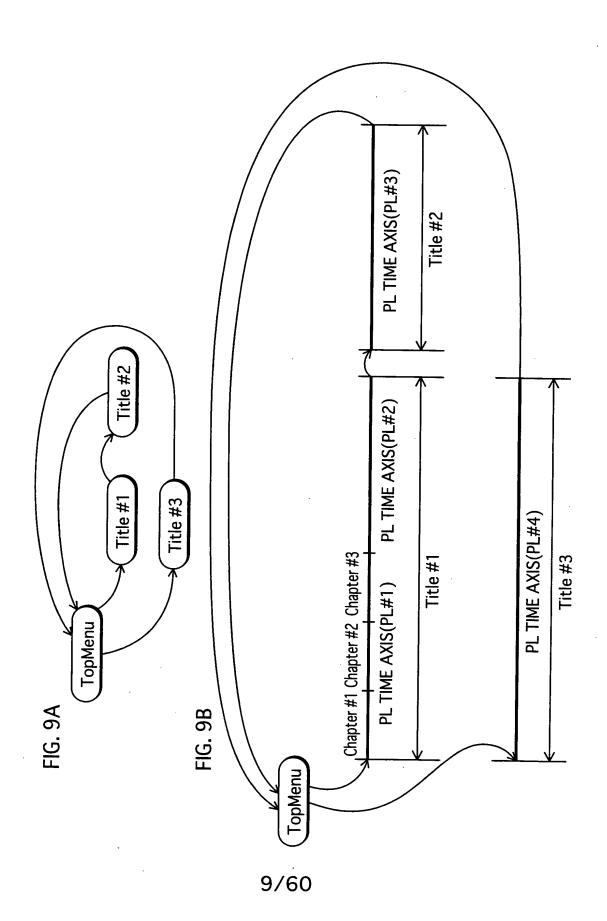
FIG. 7B ZZZZZ.BD-J

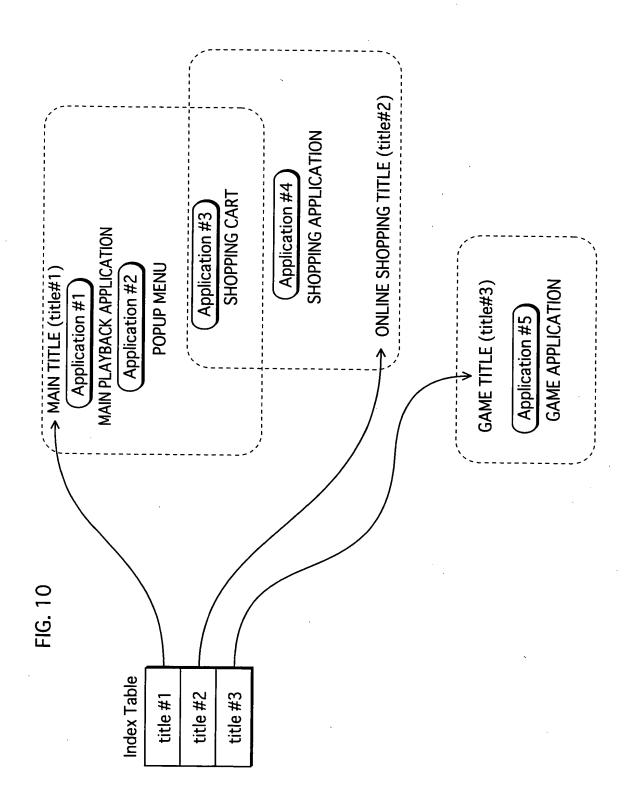


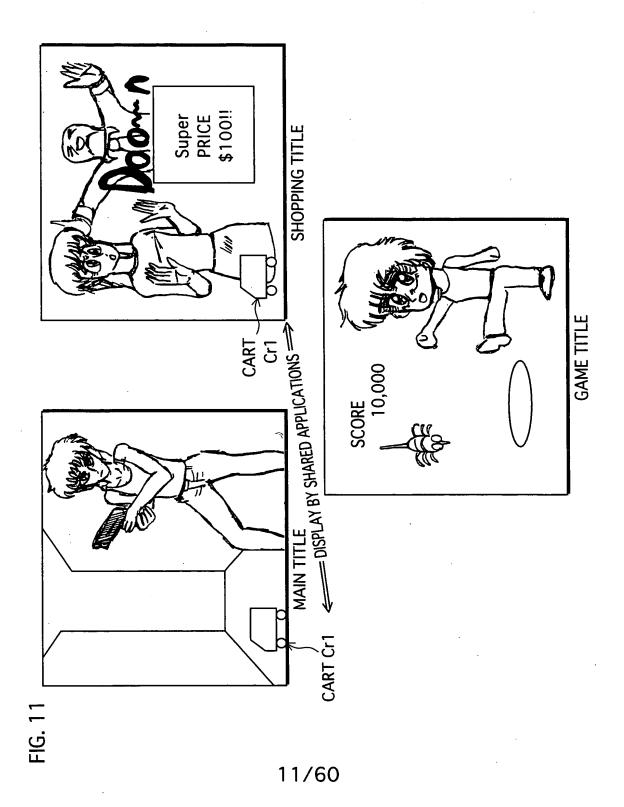


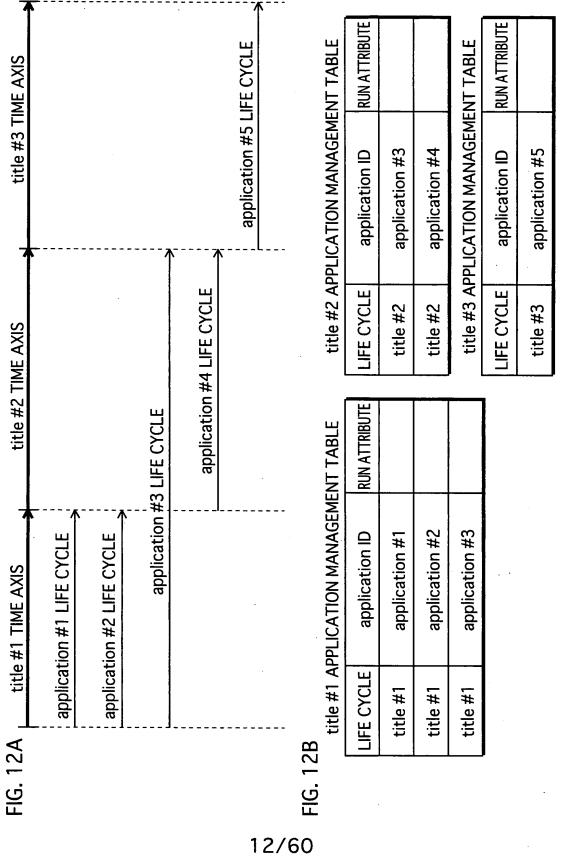












title #2 TIME AXIS **RUN ATTRIBUTE RUN ATTRIBUTE Persistent Persistent** AutoRun AutoRun Terminate Terminate title #1 APPLICATION MANAGEMENT TABLE title #2 APPLICATION MANAGEMENT TABLE application #2 application #3 application ID application #3 application ID application #1 application #1 LIFE CYCLE application #2 LIFE CYCLE application #3 LIFE CYCLE title #1 TIME AXIS LIFE CYCLE LIFE CYCLE title #1 title #1 title #2 title#1 Run Call FIG. 13A FIG. 13B Run Run

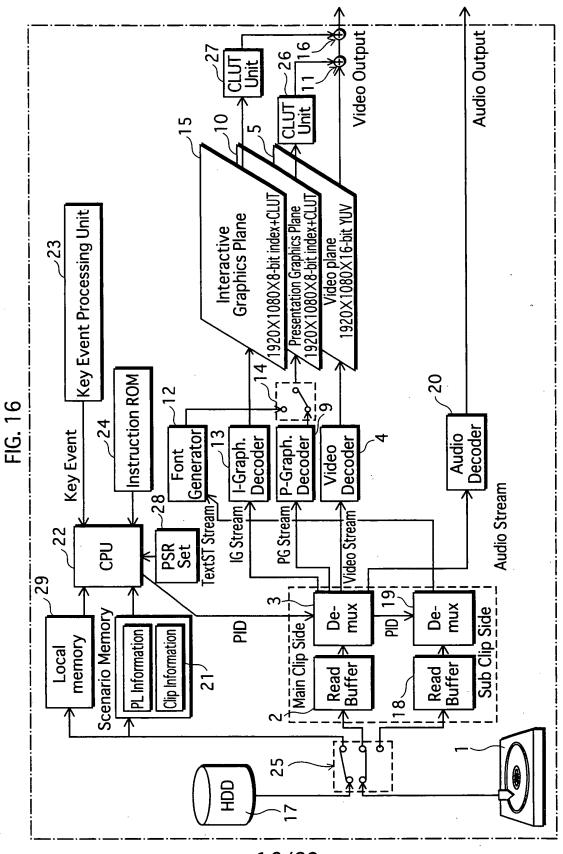
Terminate **RUN ATTRIBUTE RUN ATTRIBUTE Persistent Persistent** Suspend title #3 APPLICATION MANAGEMENT TABLE title #2 APPLICATION MANAGEMENT TABLE title#3_TIME_AXIS application #2 application #2 application ID application ID application #1 **Terminate** Resume RESOURCES ARE
OCCUPIED, BUT CPU
POWER IS NOT ALLOCATED LIFE CYCLE LIFE CYCLE title #2 title #2 title #3 title #2 TIME AXIS **RUN ATTRIBUTE** Suspend AutoRun AutoRun title #1 APPLICATION MANAGEMENT TABLE title #1 TIME AXIS application #2 application #1 application ID Run Run LIFE CYCLE application #2 (application #1 LIFE CYCLE title#1 title #1 FIG. 14A FIG. 14B

14/60

FIG. 15

CHANGE IN APPLICATION STATUS ACCORDING TO RUN ATTRIBUTES

. •			Run Attribute	
		Persistent	AutoRun	Suspend
:- -	Not Run	Maintain status without performing operation	Run Application	Maintain status without performing operation
Application Status in Previous Title	Running	Maintain status without Maintain status withou performing operation	Maintain status without Maintain status without performing operation	Suspend
	Suspend	Resume	Resume	Maintain status without performing operation



16/60

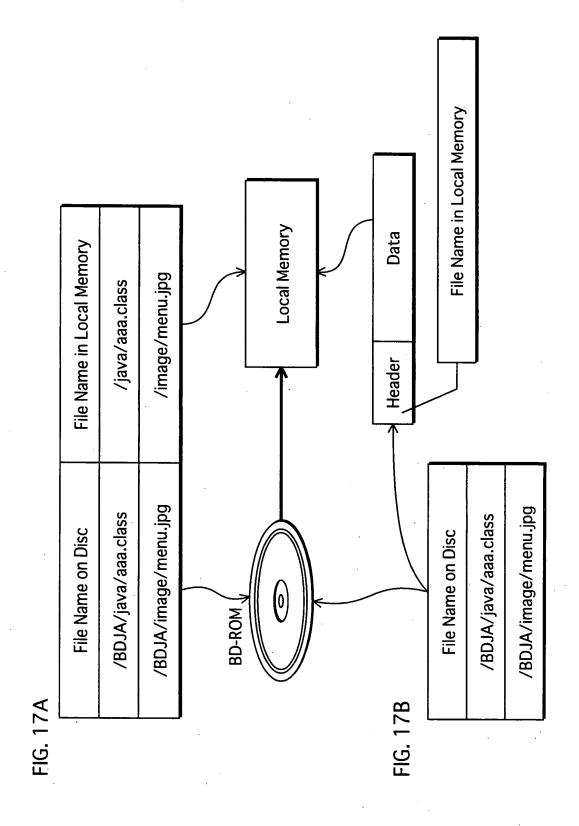


FIG. 18

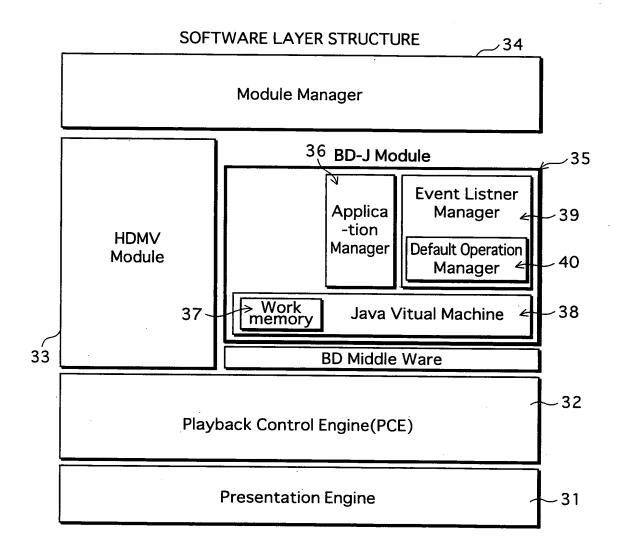
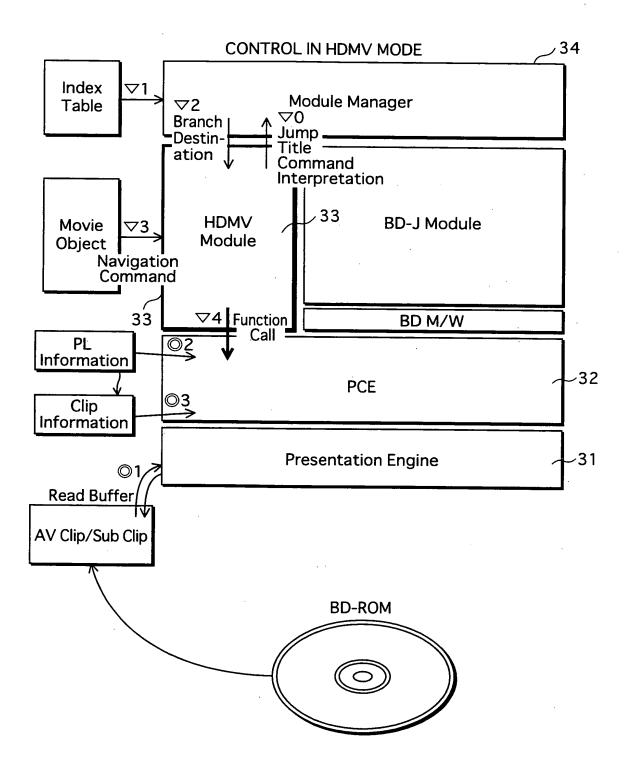
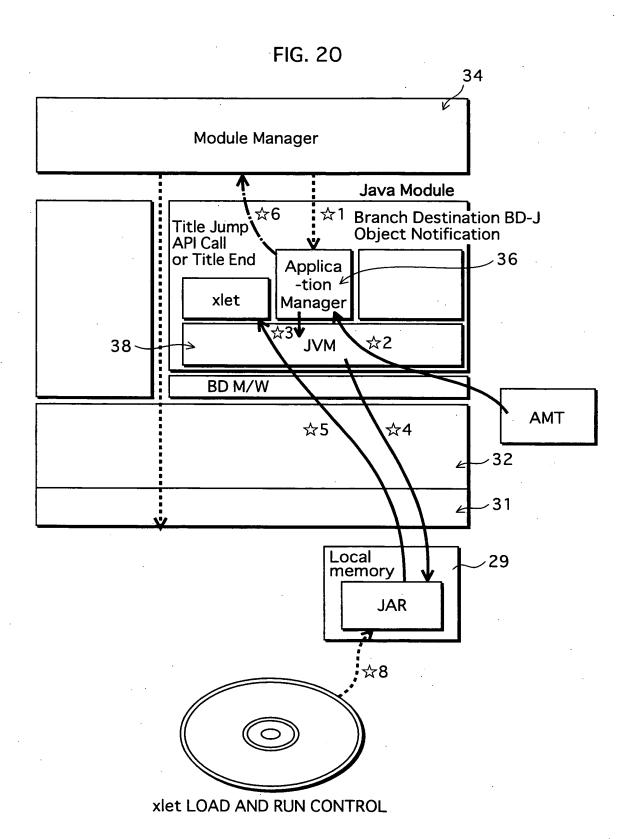
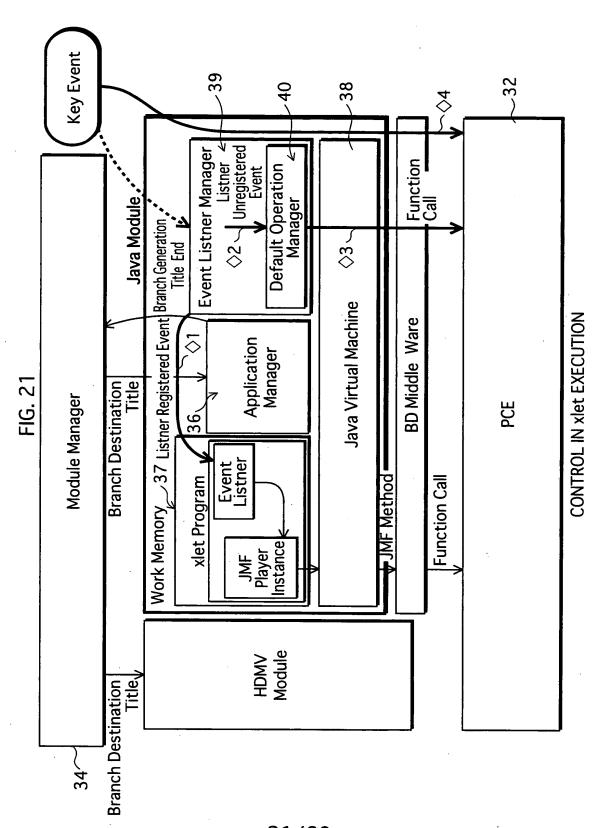


FIG. 19







21/60

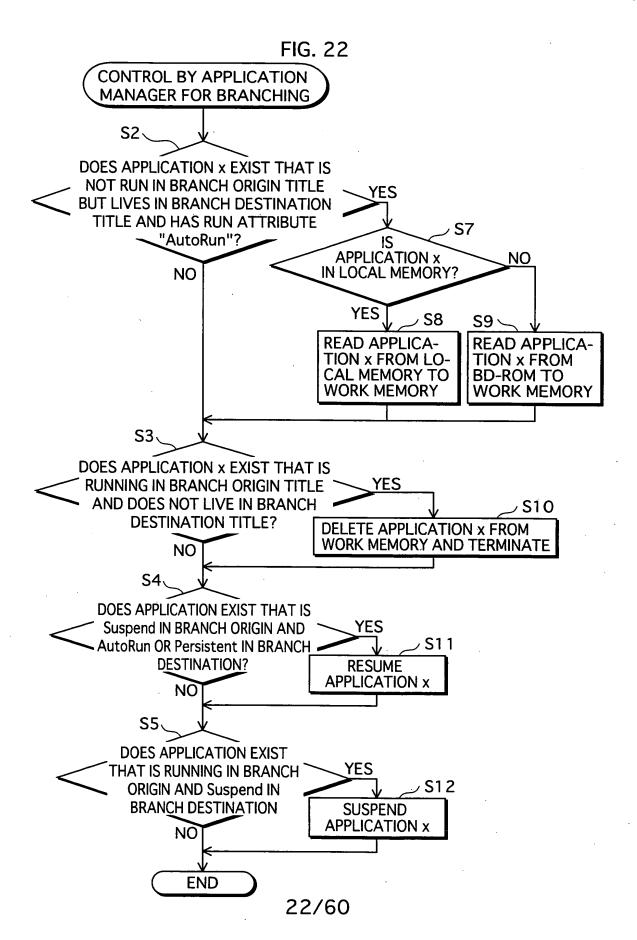
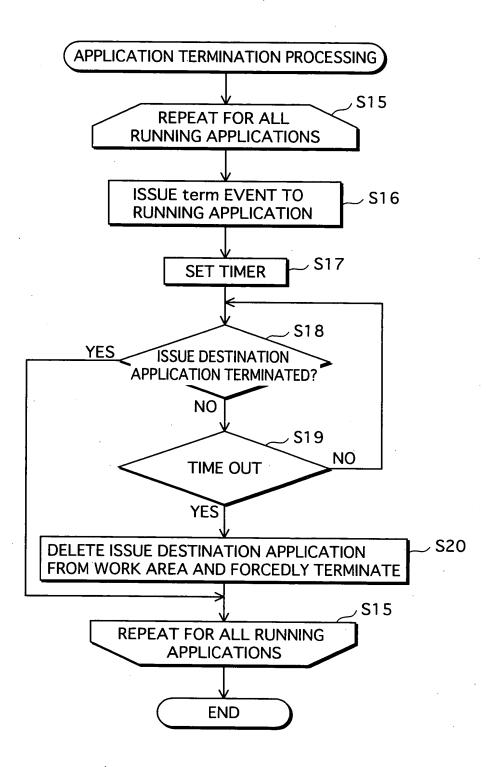
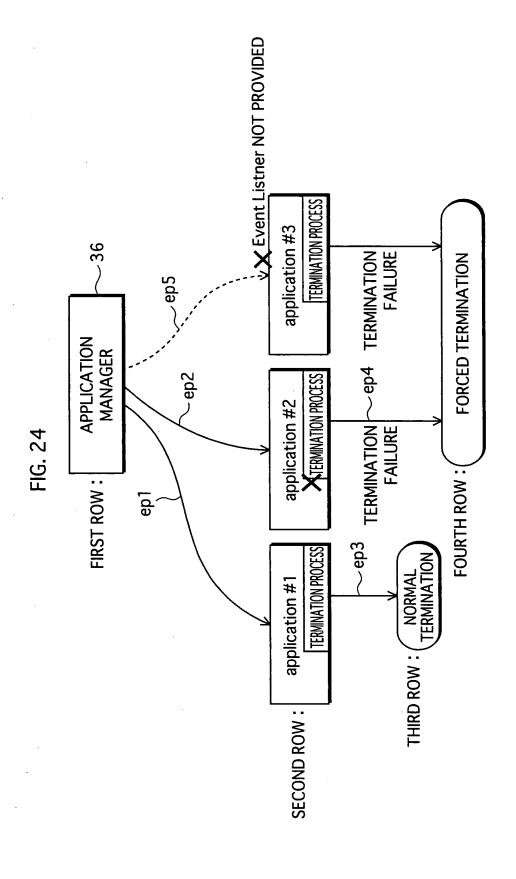
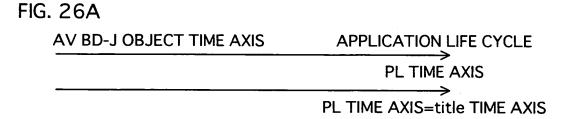


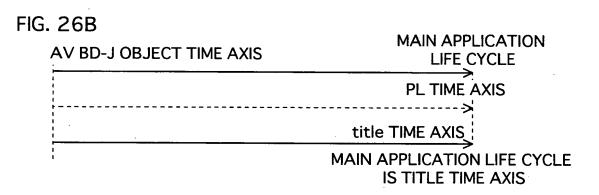
FIG. 23

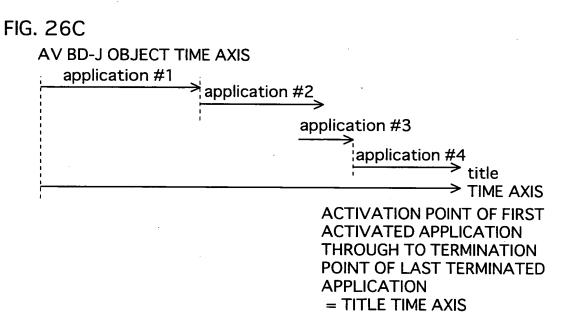


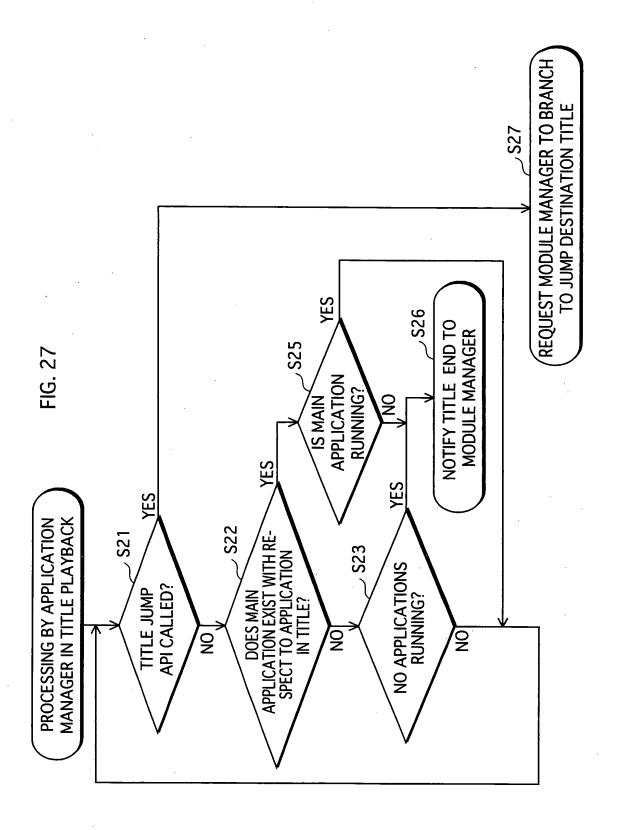


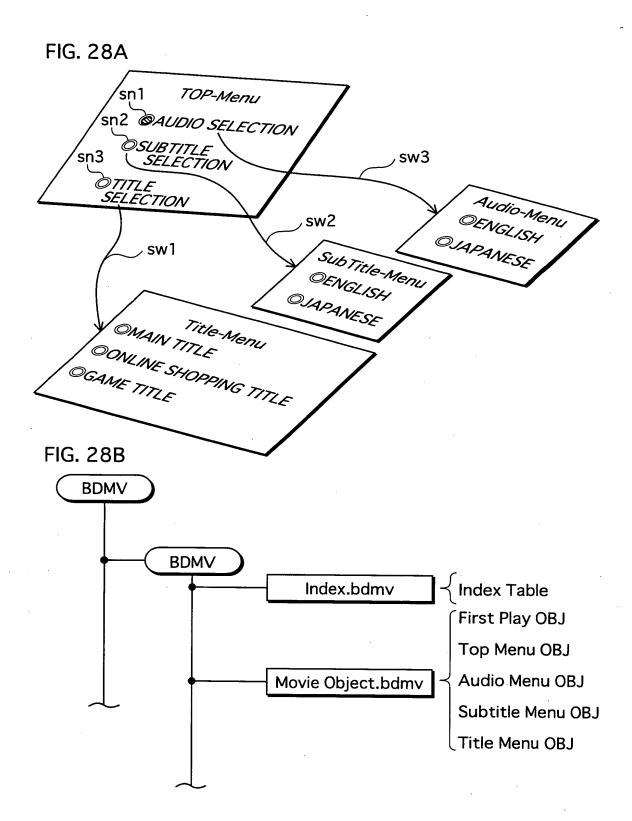
Terminate chapter #4; chapter #5; chapter #6; RUN ATTRIBUTE RUN PRIORITY LEVEL 255 128 128 application #3 AutoRun AutoRun AutoRun APPLICATION MANAGEMENT TABLE [erminate] title #1 TIME AXIS Run application #3 application ID application #1 application #2 chapter #3 application #2 application #1 chapter #2 title #1: chapter #2-#3 title #1: chapter #4-#6 LIFE CYCLE chapter #1 title #1 Run FIG. 25A

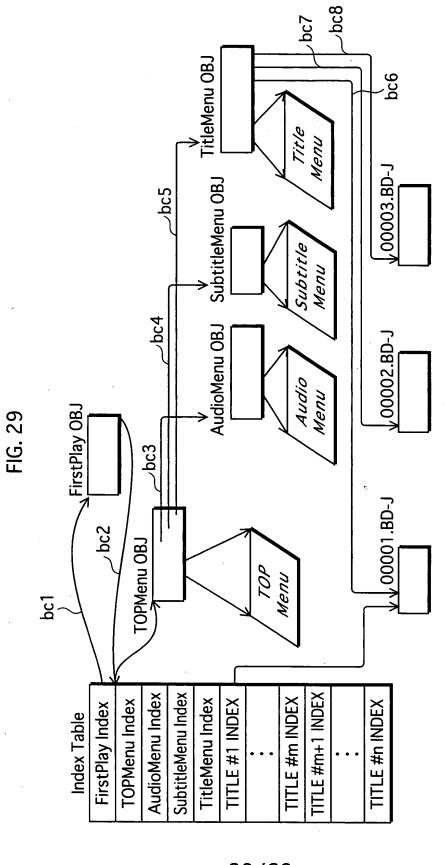












29/60

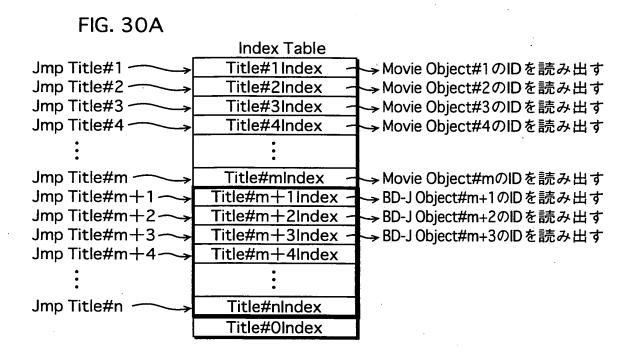
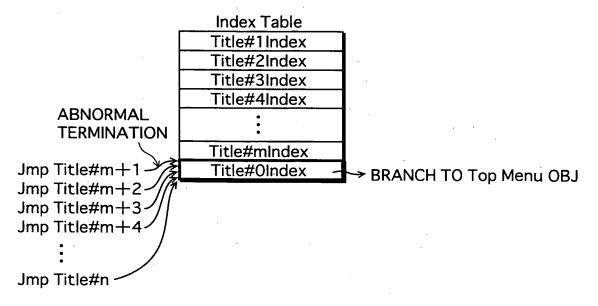
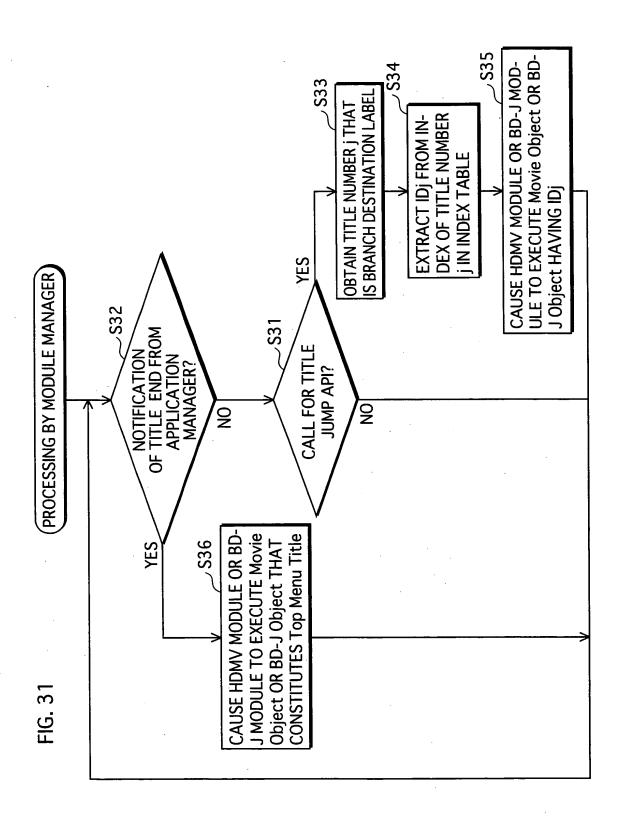
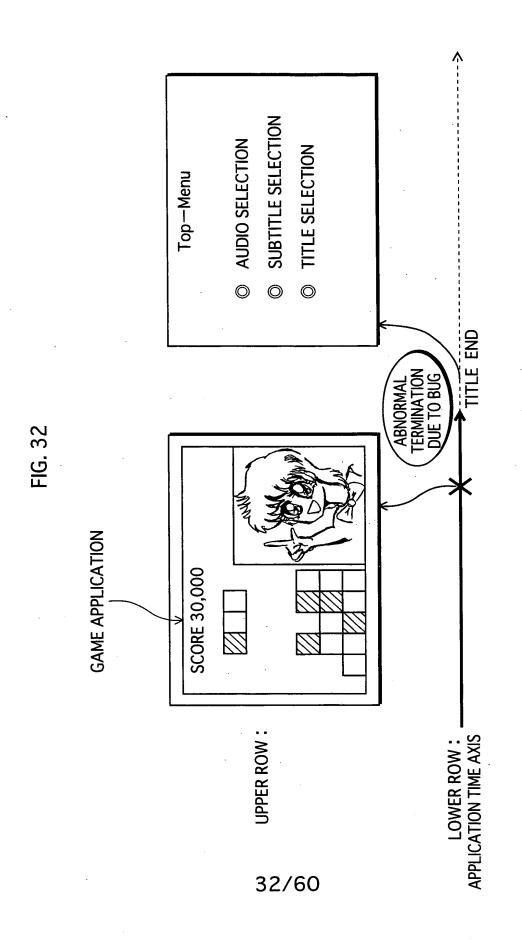
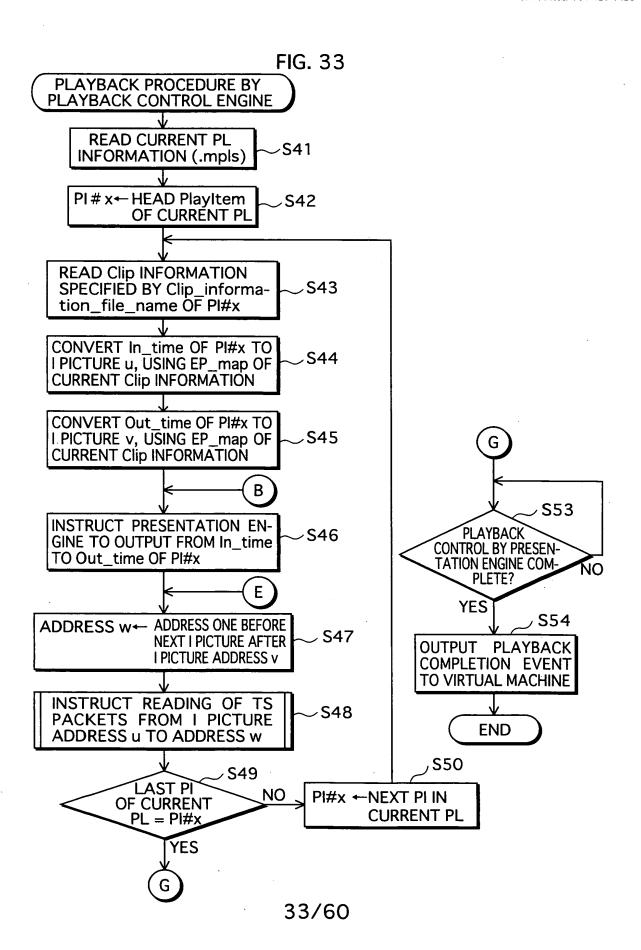


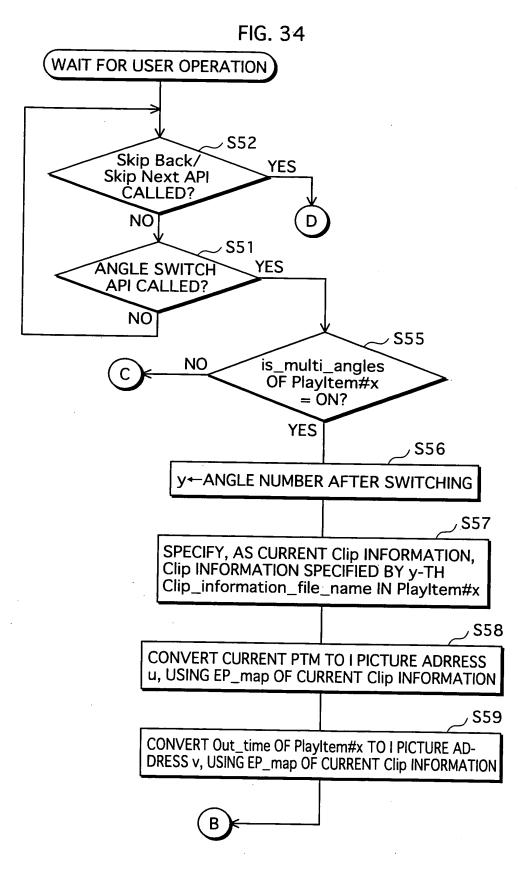
FIG. 30B EXCEPTIONAL PROCESSING IN BD-J OBJECT EXECUTION

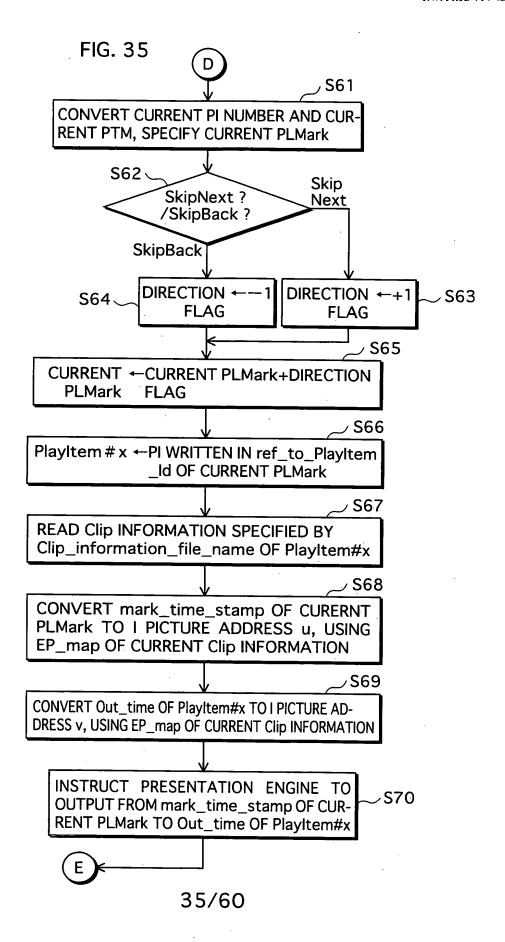












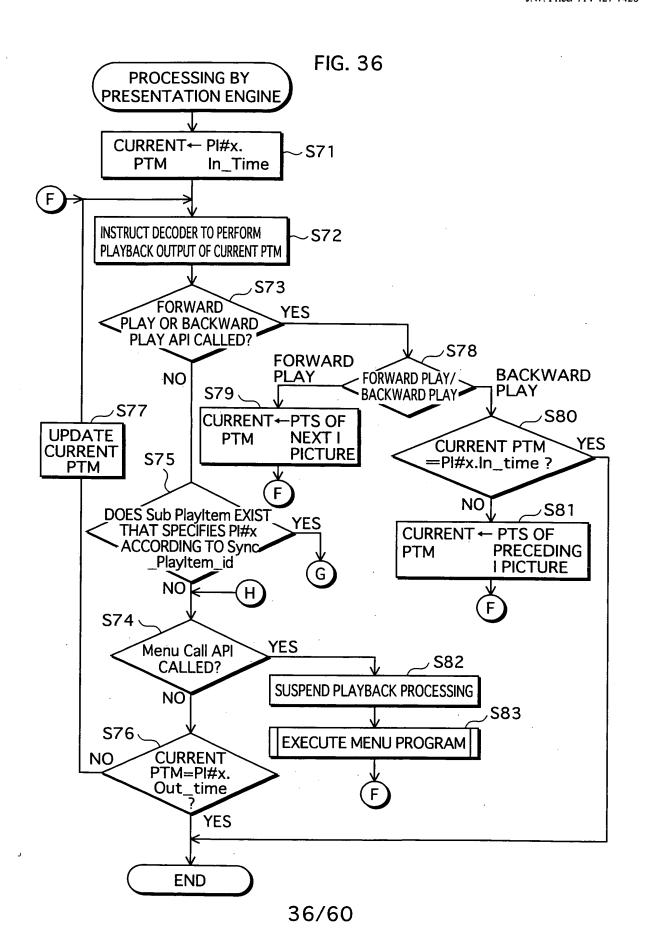
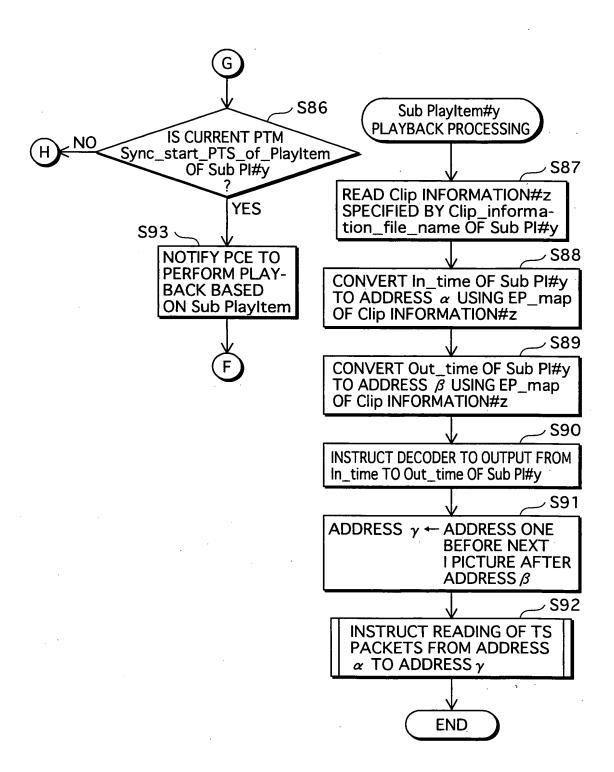
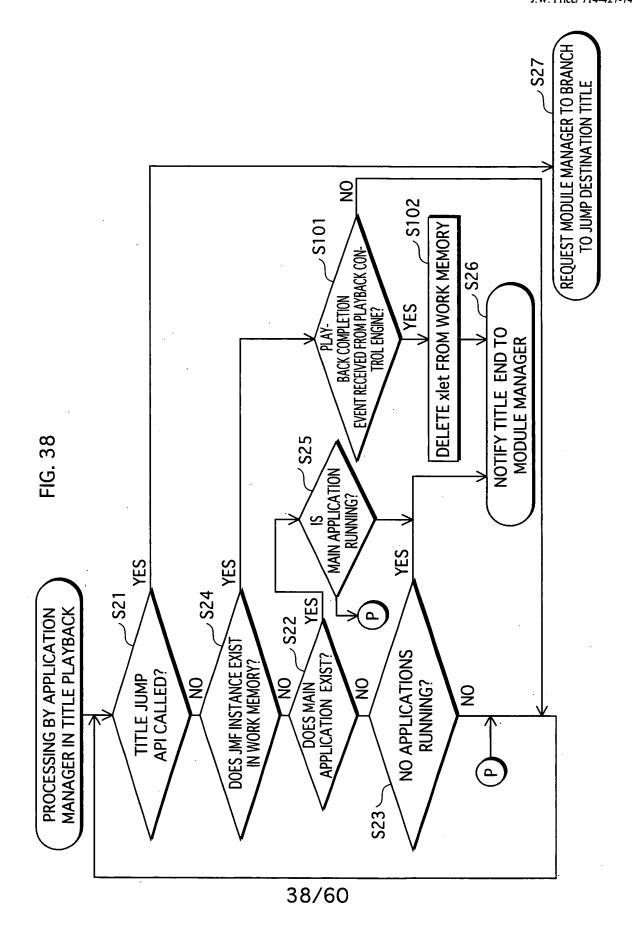


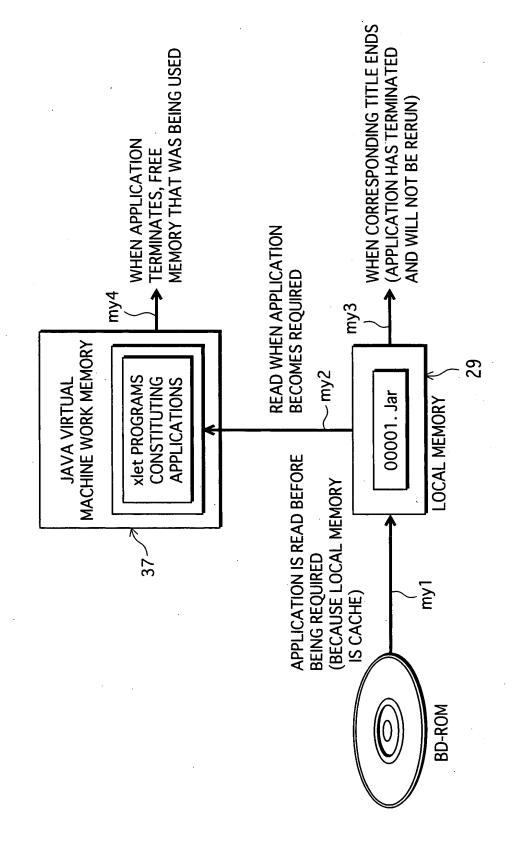
FIG. 37





READ ATTRIBUTE READ PRIORITY LEVEL LIFE CYCLE | application ID |RUN ATTRIBUTE LIFE CYCLE application ID resume_intention_flag Application Management Table(AMT) Management Table(DMT) title_search_mask menu_Call_Mask ZZZZZ. BD-J Data

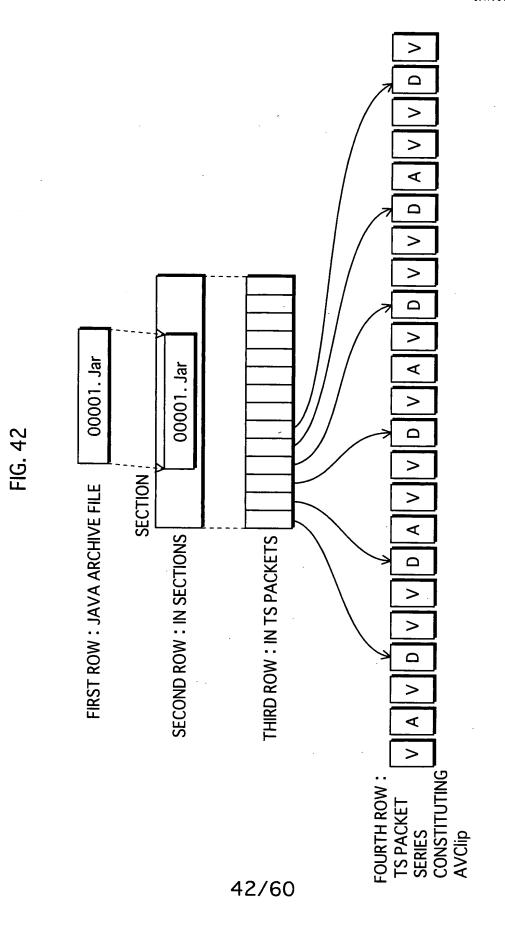
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	READ ATTRIBUTE READ PRIORITY LEVEL								
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ENT T	READ A			· •	title#				
AGEM	۵u	#1	#2						a a
MAN	application ID	application #1	application #2	-		\		E) (Free
title #2 DATA MANAGEMENT TABLE	арр	applic	applic	. (ر				
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T)	LIFE CYCLE	title #1	title #2	į	title #2 TIME AXIS			application #3	
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title #1 DATA MANAGEMENT					AXIS				
1ANA(ation I	ion #1	ion #2	į	I ME	#1	#2		
ATA N	application ID	application #1	application #2	· ·	title #1 TIME AXIS	application #1	application #2		
#1 D,	_	ap	ap		₹	applic	applic		
title	JFE CYCLE	title#1	title#1	FIG. 41B		لمر		8	
	LIFE	title	title	- FIG.	[Read			
				41/60					



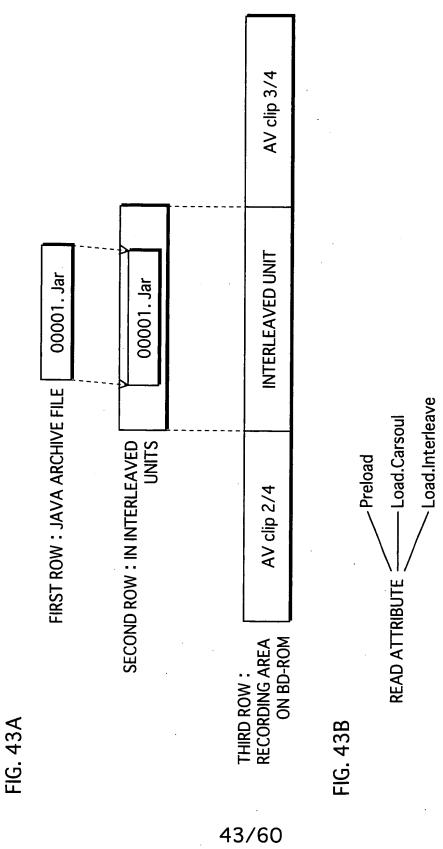
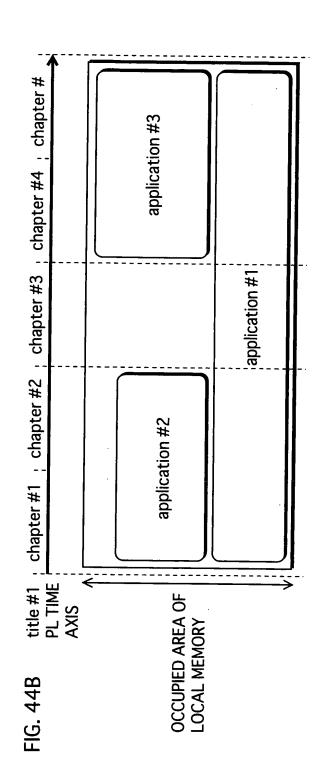


FIG. 44A title #1 DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE	READ ATTRIBUTE READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1:chapter #1-#2	application #2	Load	optional
title #1:chapter #4-#5	application #3	Load	optional



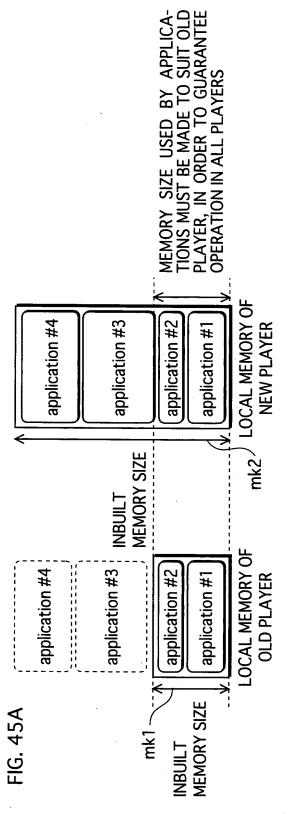


FIG. 45B title #1 DATA MANAGEMENT TABLE

TITLE NUMBER	application ID	READ ATTRIBUTE READ PRIORITY LEVEL	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1	application #2	Preload	mandatory
title #1	application #3	Preload	optional
title #1	application #4	Preload	optional

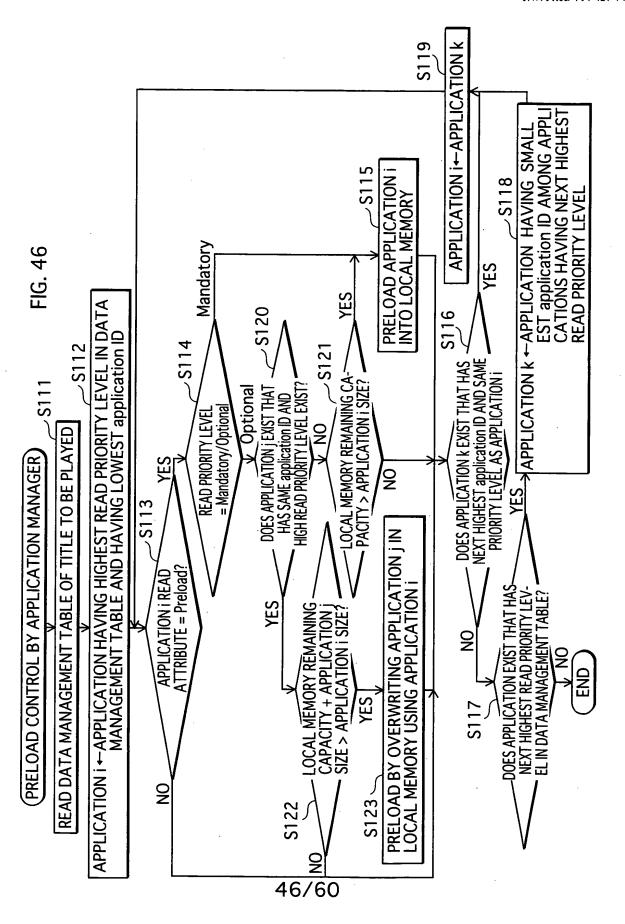
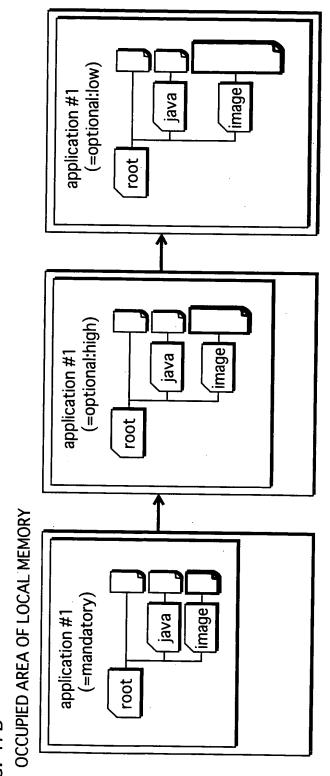


FIG. 47A title #1 DATA MANAGEMENT TABLE

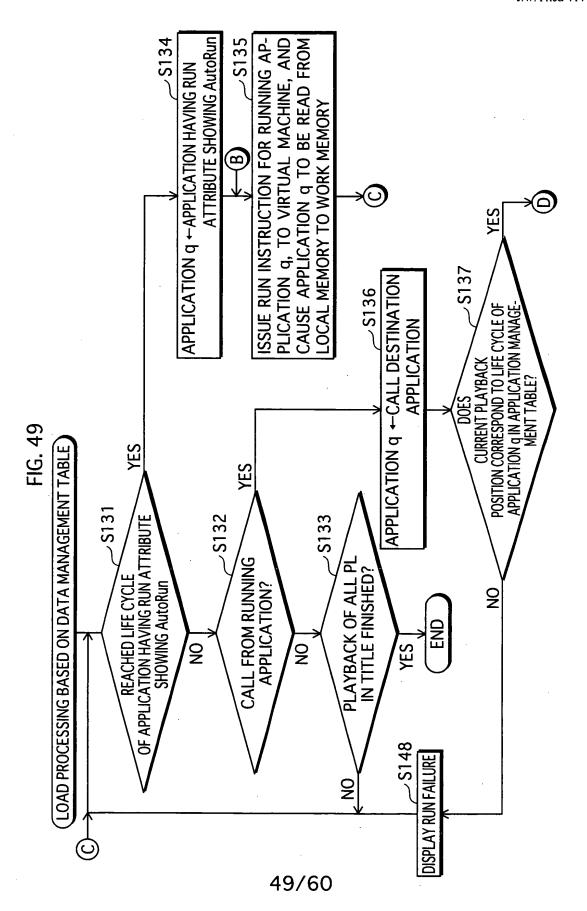
LIFE CYCLE	application ID	READ ATTRIBUTE	READ PRIORITY
title #1	application #1	Preload	mandatory
title #1	application #1	Preload	optional:high
title #1	application #1	Preload	optional:low

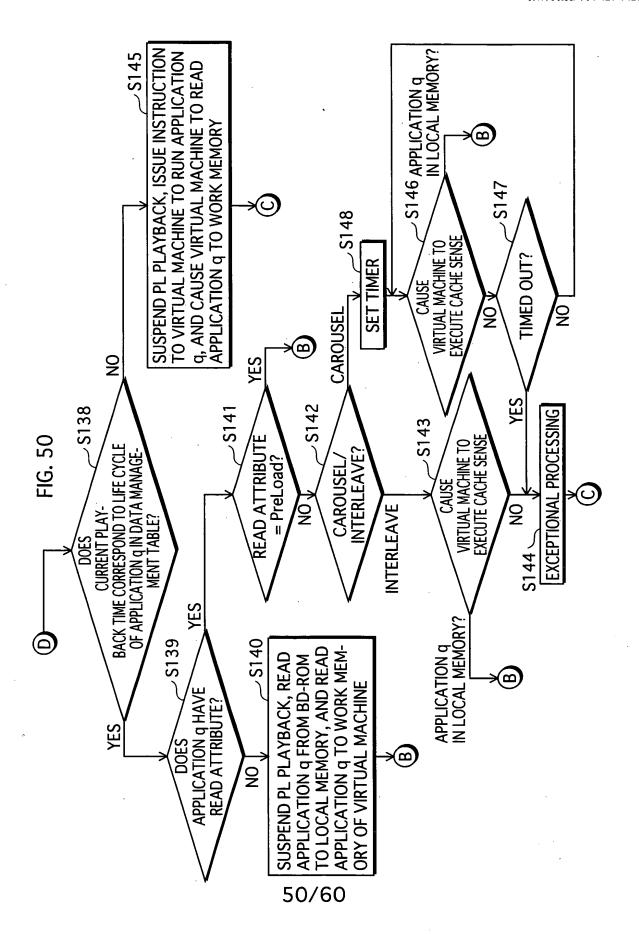
FIG. 47B



47/60

						AXIS				AXIS				
	READ ATTRIBUTE READ PRIORITY LEVEL	mandatory	mandatory	mandatory	optional	er#5 PL TIME AXIS			3(Load)	er#5 PL TIME AXIS				
	READ ATTRIBUTE	Preload	Load	Load	Preload	chapter #4 chapter #5	reload)		application #3(Load)	chapter #4 chapt	reload)			reload)
DATA MANAGEMENT TABLE	application ID	application #1	application #2	application #3	application #3	chapter #2 chapter #3 chapter #4	application #1 (Preload)		application #2(Load)	chapter #2 chapter #3 chapter #4 chapter #5	application #1 (Preload)		application #2(Load)	application #3(Preload)
title #1 DATA MANAG	LIFE CYCLE	title #1	title #1:chapter #1-#2	title #1:chapter #4-#5	title #1	chapter #1	10 1213 200	MEMORY SIZE OF		chapter #1		<u> </u>	MEMORY SIZE OF applicat	
FIG. 48A						FIG. 48B	48/			FIG. 48C			MEM(PLAY	·
							TU/		,					





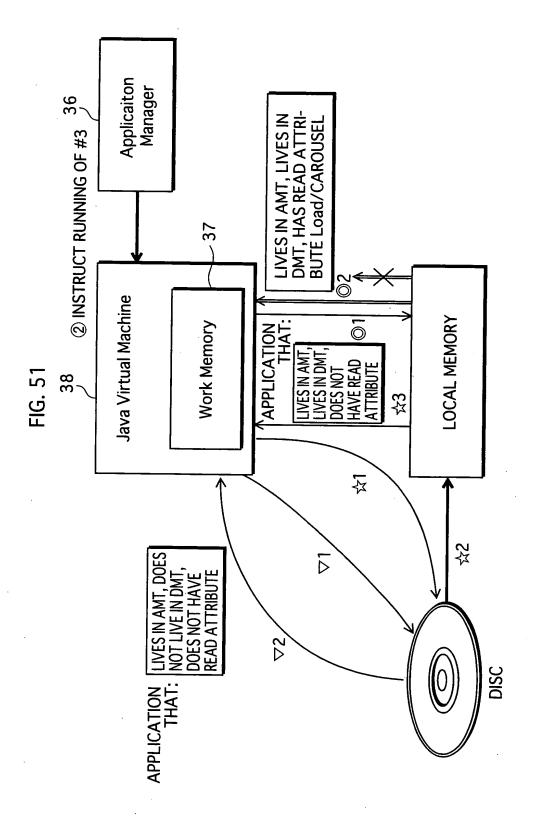


FIG. 52A

ZZZZZ. BD-J

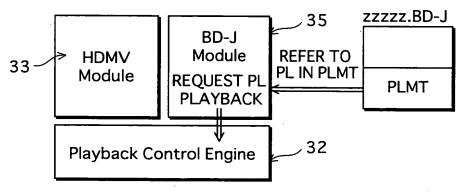
resume_intention_flag
menu_Call_Mask
title_search_mask
Application Management Table(AMT)
Data Management Table(DMT)
PlayList Management Table(PLMT)

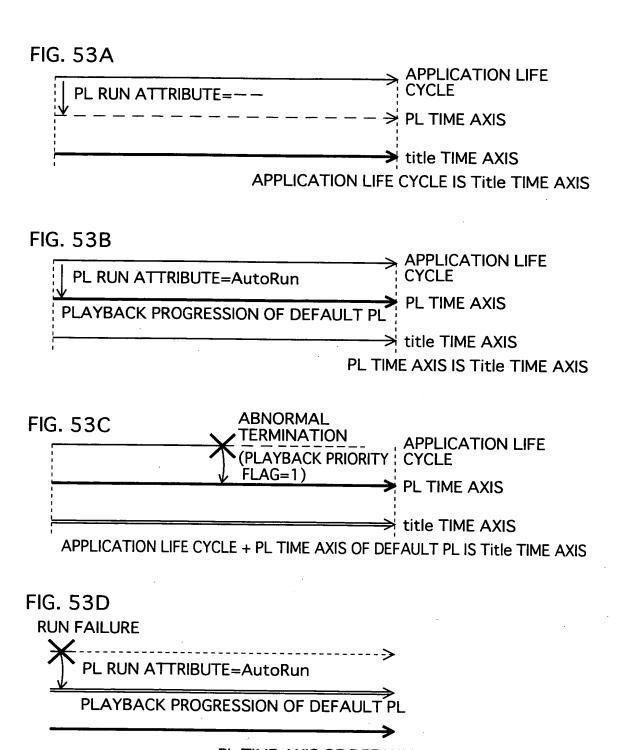
FIG. 52B

PL MANAGEMENT TABLE

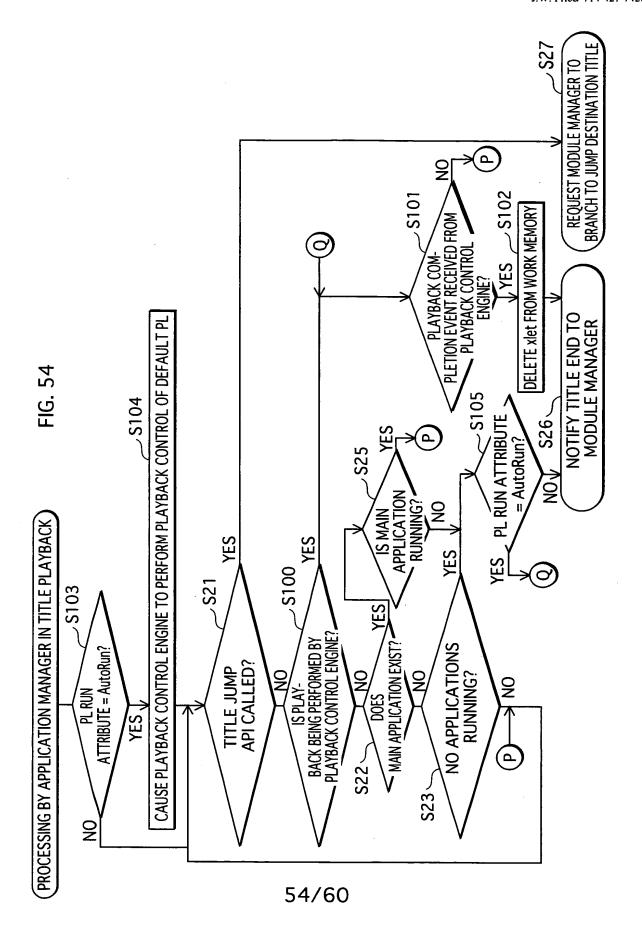
PLAYLIST ID	PLAYBACK ATTRIBUTE
	Auto Play

FIG. 52C





PL TIME AXIS OF DEFAULT PL IS TITLE TIME AXIS



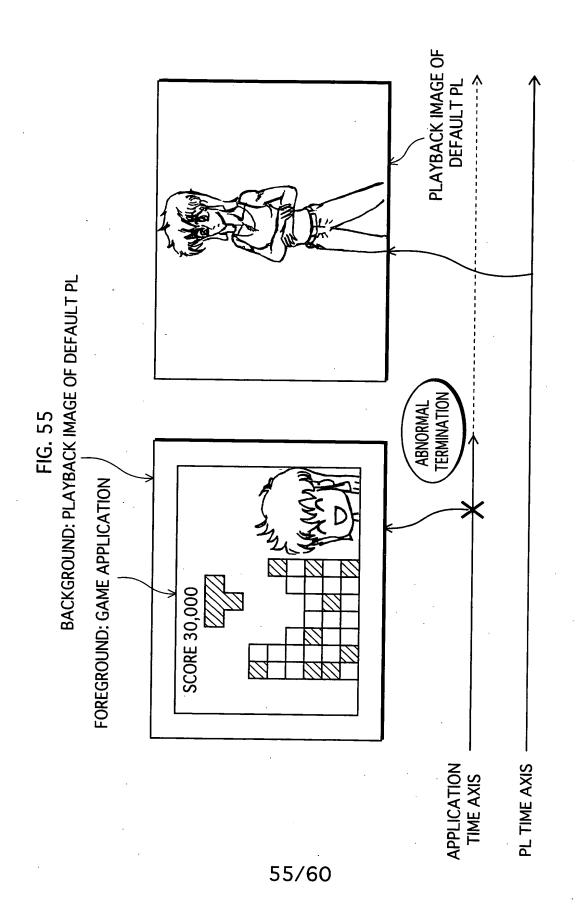


FIG. 56A

APPLICATION AND DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	RUN ATTRIBUTE	RUN ATTRIBUTE READ PRIORITY LEVEL
title #1	application #1	AutoRun	
title #1:chapter #1-#3	application #2	Ready	
title #1	application #3		
title #1:chapter #2-#4	application #4	Ready	

RUN ATTRIBUTE + READ ATTRIBUTE

FIG. 56B

RUN ATTRIBUTE	PRELOAD BEFORE AV STREAM PLAYBACK		AUTO-RUN LOAD TO LOCAL /CALL RUN MEMORY	LIVES /DOES NOT LIVE
AutoRun	0	AUTO	ON	LIVES
AutoRun	×	AUTO	YES	LIVES
READY	0	CALL	ON	LIVES
READY	×	CALL	YES	LIVES
NOT SPECIFIED	×	CALL	ON	LIVES

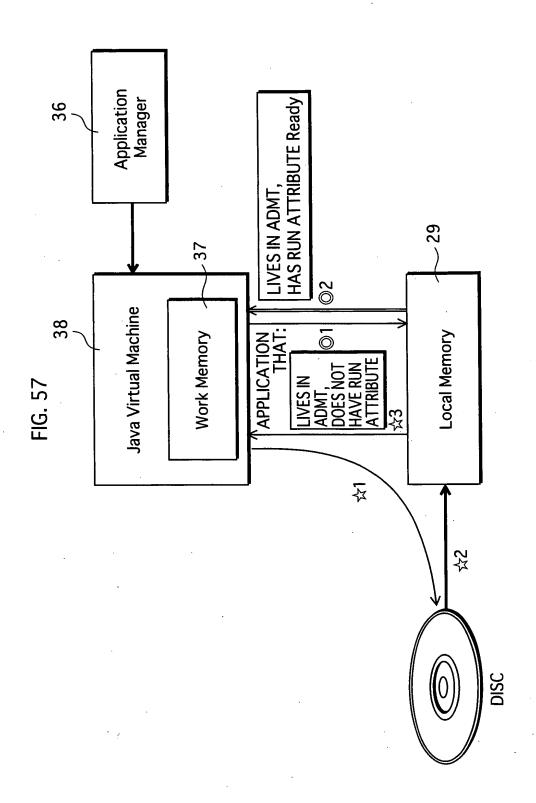


FIG. 58A DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	READ ATTRIBUTE READ PRIORITY LEVEL	READ PRIORITY LEVEL
title #1	application #1	Preload	mandatory
title #1	application #2	Preload	option, 255
title #1	application #3	Preload	option, 128

IF FREE CAPACITY OF MEMORY IS INSUFFICIENT, READ ONLY PART OF Option DATA **LOCAL MEMORY** application #3 application #2 application #1 MINIMUM MEMORY SIZE OF PLAYER INBUILT MEMORY SIZE OF PLAYER application #3 **LOCAL MEMORY** application #2 application #1

58/60

FIG. 58B

FIG. 59A DATA MANAGEMENT TABLE

LIFE CYCLE	application ID	LOAD ATTRIBUTE	READ PRIORITY LEVEL	LOAD ATTRIBUTE READ PRIORITY LEVEL GROUP ATTRIBUTE
title #1	application #1		mandatory	
title #1	application #2		optional	group #1
title #1	application #3		optional	group #1

application #2 application #1 DELETED

LOCAL MEMORY

application #1

LOCAL MEMORY

59/60

FIG. 59B

application #3

application #2

